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FuseMaster 76515 and 76517

Installation instructions

All specifications are subject to change without notice.

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Purpose

FuseMasters 76515 and 76517 eliminate the necessity of manually removing a fuse for towing, then having to reinsert it for driving. After the installation you will press a switch to accomplish the same task.

Note: The only difference between these two Fusemasters is the type of fuse holder and the connecting terminals for the fuse socket.

Note: part number 76515 will remotely disconnect one maxi fuse. If two maxi fuses must be removed for towing, you will also need to install part number 76515-10 (sold separately).

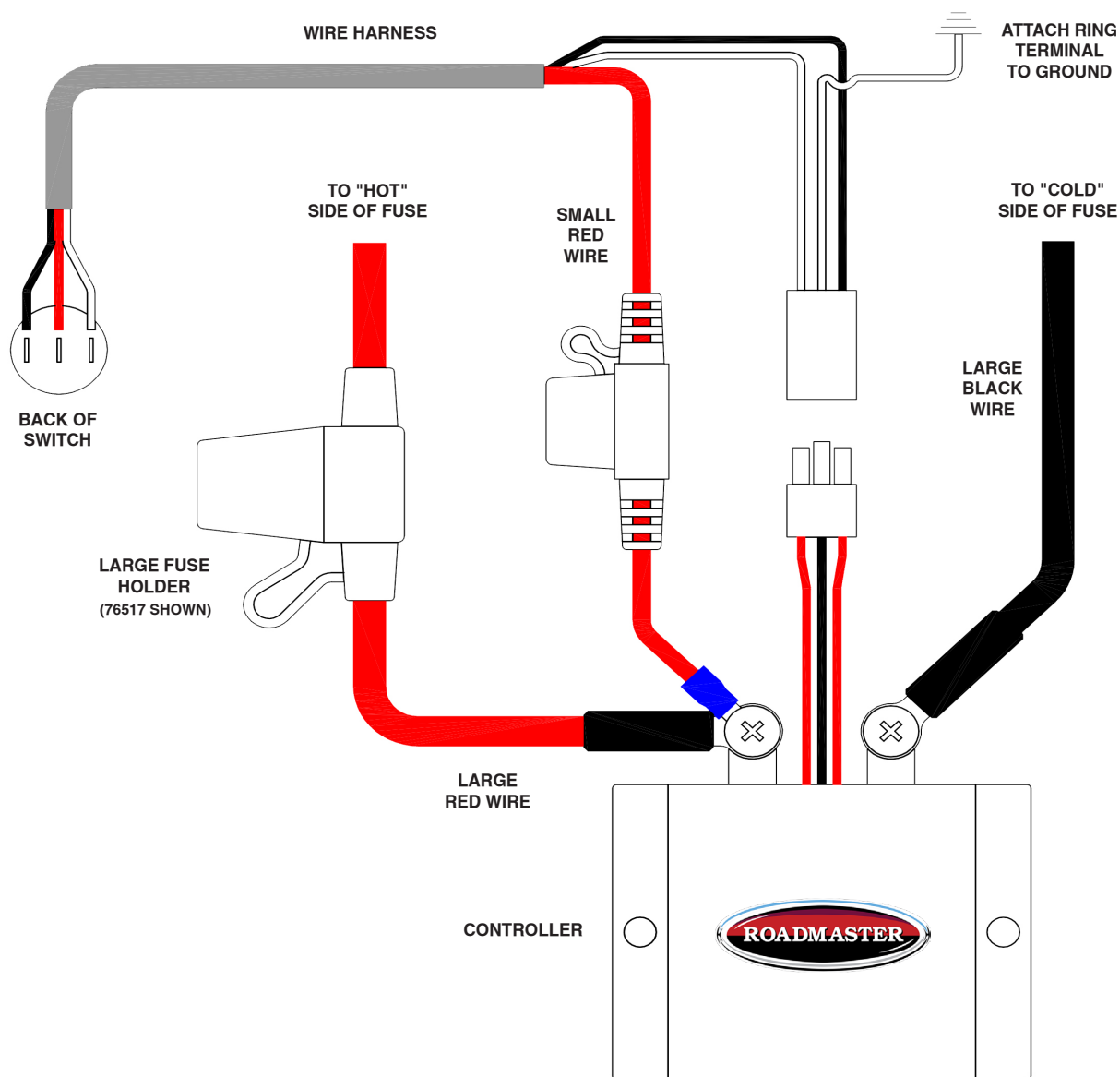
CAUTION

Read all instructions before installing or operating this device. Failure to understand how to properly install or operate FuseMaster could result in extensive property damage.



Required tools and supplies

- volt meter or test light
- silicone sealant
- power drill with 1/4", 3/8" and 13/16" bits
- Phillips screwdriver and 3/8" wrench
- wire strippers and crimpers



Installation instructions

1. Remove the plastic cover for the fuse block. Pull the fuse identified in the owner's manual as the one to remove for towing.

Mark two holes on the plastic cover. Each hole will be directly over each of the connectors for the fuse in the fuse block.

2. The fuse controller (Figure 1) will be mounted in the engine compartment and the switch will be mounted in a location easily accessible to the driver. Choose mounting locations before proceeding:

2a. Find a mounting location for the controller which meets the following conditions:

- The controller must be mounted close enough to the fuse block so that the large red and black wires (Figure 1) will reach the fuse block.
- The controller location must not interfere with the operation of the vehicle in any way.
- Do not mount the controller closer than eight inches from the exhaust system.
- The controller may be attached with the two self-tapping screws, with the pre-attached adhesive pad or with zip ties.

If the screws are used, the underlying material must be of sufficient strength to hold the controller in place. Make certain that the screws will not damage any components or electronics on the other side.

2b. Find a mounting location for the switch which meets the following conditions:

- Choose a location where the switch will be accessible, but cannot inadvertently be activated.
 - The switch harness will be routed through the firewall to the fuse controller. The mounting location for the switch must be close enough for the end of the harness to reach the controller.
- Look for a direct route through a pre-drilled (or pre-scored) hole in the firewall, 1/4" wide or larger. If there is no pre-drilled hole, you must drill a hole through the firewall. (If you must drill an access hole, make certain that you will not damage any components or electronics on the other side.)
- The switch must not interfere with the operation of the vehicle in any way.
 - There must be enough space for the included 'tow' and 'drive' stickers, which will be attached in close proximity to the switch.

3. In the engine compartment, drill 3/8" holes through the marks you made in the fuse block cover. Push a grommet into each of the holes. Make sure they are fully seated.

4. Put the vehicle in 'tow' mode so you can test the two connectors that were exposed when you removed the fuse. Use a volt meter or test light between the fuse block connector and ground to determine which is the 'hot' connector (i.e. has 12V power). Once identified, take the car out of 'tow' mode. This will allow you to work without the connector being energized. Route the large red wire through the grommet in the cover and attach it to the "hot" connector.

5. Route the large black wire through the other grommet in the cover and attach to the remaining connector. Close the fuse box cover carefully so you do not dislodge the wires from the fuse block.

6. Using the supplied screws and nuts, secure all wires to the controller as shown in Figure 1. Then, plug the harness into the controller. Attach the ring terminal with the white wire to any good chassis ground.

7. Use the two self-tapping screws, the adhesive pad or zip ties to mount the controller. Be sure the controller is at least 8" away from the exhaust or high heat source.

8. Route the wiring harness through the firewall to the switch mounting location. Be sure to secure the harness with zip ties and verify the harness is not rubbing or catching on any sharp corners or moving components.

9. Drill a 13/16" hole for the switch. At this point you can cut any excess harness if desired, but leave a few extra inches on the harness.

10. Remove the retaining nut from the back of the switch, place it over the wiring harness and crimp a red spade terminal onto each of the three wires.

11. Route the terminals and wire harness through the switch hole and connect the 3 wires to the back of the switch. It is imperative that the red wire goes to the middle terminal on the back of the switch. The other two are interchangeable.

12. Insert the switch into the hole, align the switch either vertically or horizontally, and tighten nut to secure the switch.

13. Seal the harness at the firewall with silicone sealant (not provided).

Note: failure to seal the hole may allow water into the passenger compartment, as well as allowing the wires to chafe or short out.

14. Take the fuse you removed from the vehicle's fuse block and insert it into the large fuse holder. Close the protective cap to seal out moisture. Verify that the 7.5 Amp fuse is installed in the smaller fuse holder and that its cap is also properly closed.

15. Now, we will determine which side of the switch should be labelled with the 'drive' sticker. To do so, put the vehicle into 'tow' mode (see the vehicle owner's manual) and momentarily press the switch. Remember which way you rocked the switch. Use a test light or meter see if there is power on the large black wire at the controller. If there is power, this is the 'drive' side of the switch. If not, this is the 'tow' side, Apply the stickers accordingly.

16. Depress the switch to put the vehicle back into 'drive' mode.

Operating Instructions

1. To put the vehicle into 'tow' mode, follow the instructions in your vehicle owner's manual. When it tells you to pull the fuse, depress the switch on the 'tow' side instead. Be sure to complete the rest of the steps necessary to put your vehicle in 'tow' mode.

2. To put the vehicle into 'drive' mode, follow all the instructions in your vehicle owner's manual. When it tells you to replace the fuse, depress the switch on the 'drive' side instead. Be sure to complete the rest of the steps necessary to put your vehicle in 'drive' mode.

CAUTION

Make sure the red wire is securely attached to the connector that registers voltage. If it isn't, the Fusemaster may not function or may possibly operate intermittently.